

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P948147

Luminaire Tested: **GALN-SB3B-740-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3B-740-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

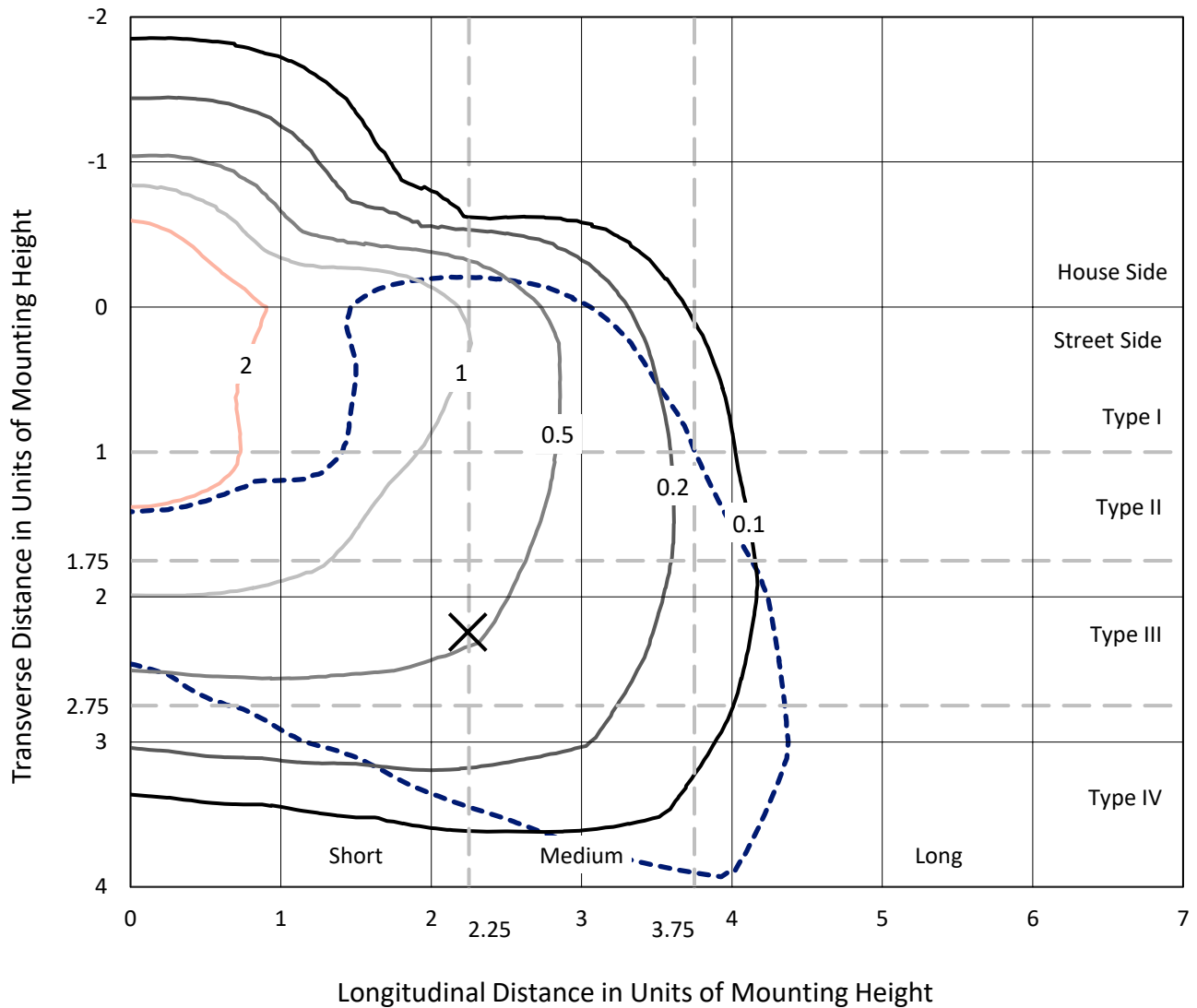
Lumens per Lamp: N/A  
Luminaire Lumens: 17840 lumens  
Efficiency: N/A  
Efficacy: 163.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

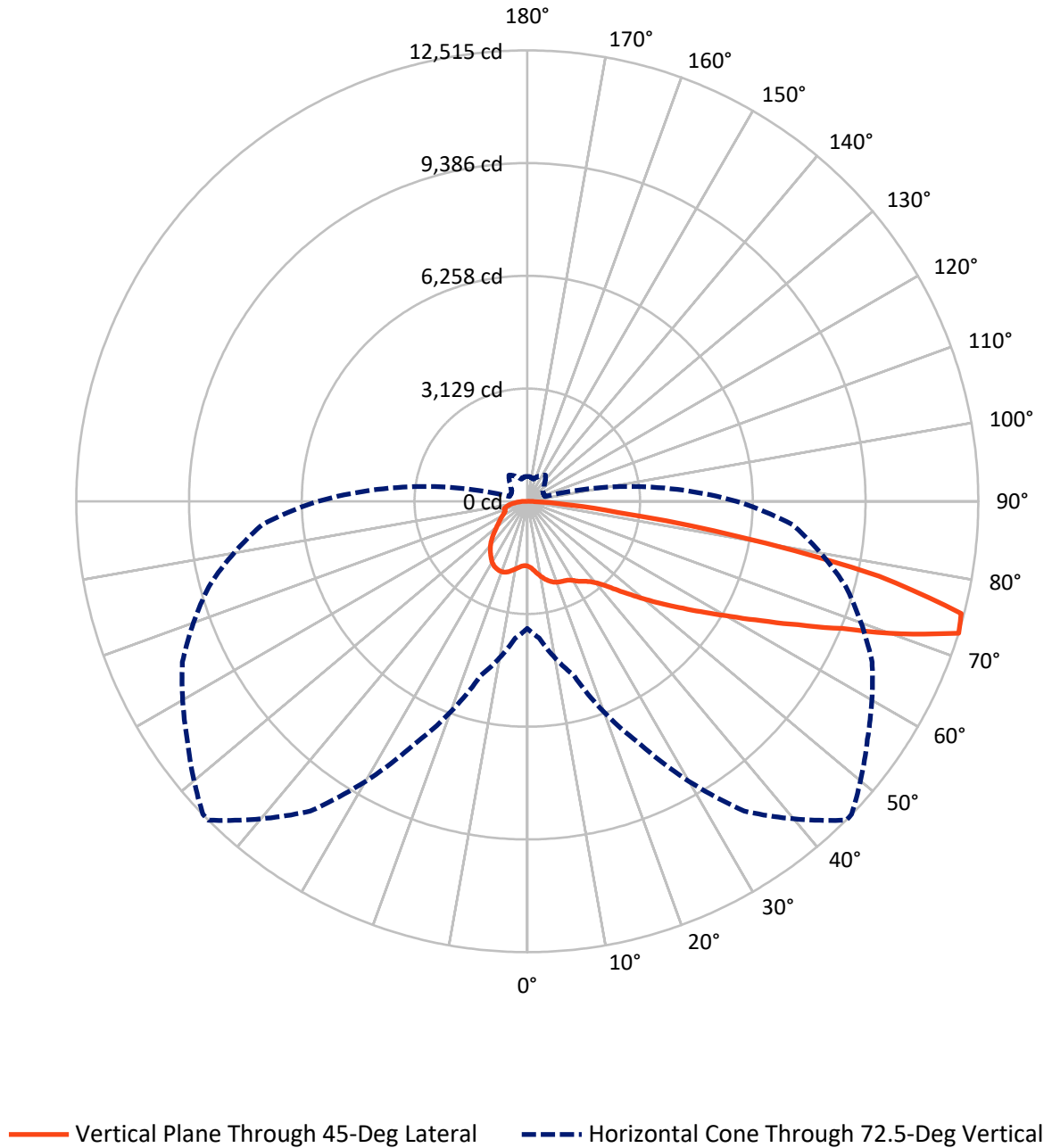
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4033.0	0.0	4033.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	13807.0	0.0	13807.0
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	17840.0	0.0	17840.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.0
10°-20°	610.7	3.4
20°-30°	1062.4	6.0
30°-40°	1523.0	8.5
40°-50°	2144.5	12.0
50°-60°	3284.7	18.4
60°-70°	4758.4	26.7
70°-80°	3799.9	21.3
80°-90°	473.3	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17840.0	100.0
0°-180°	17840.0	100.0



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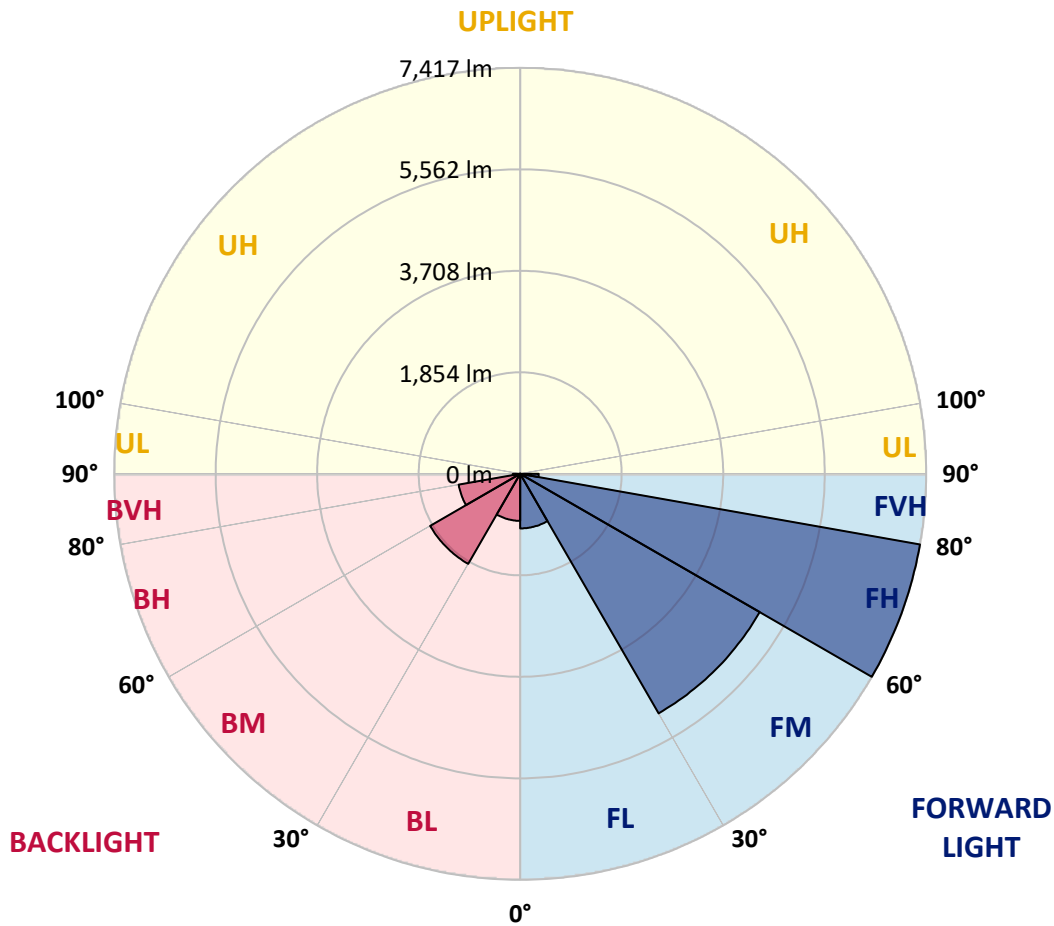
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	997.6	5.6			
FM (30°-60°)	5053.2	28.3			
FH (60°-80°)	7416.6	41.6			G3/7500
FVH (80°-90°)	339.5	1.9			G3/500
BL (0°-30°)	858.7	4.8	B2/1000		
BM (30°-60°)	1899.0	10.6	B2/2500		
BH (60°-80°)	1141.6	6.4	B3/2500		G3/2500
BVH (80°-90°)	133.7	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7
2.5°	1870.2	1882.4	1871.1	1860.8	1856.1	1843.9	1842.9	1835.4	1830.7	1817.6
5°	2000.8	2016.8	1998.0	1977.3	1958.5	1928.5	1924.7	1903.1	1878.7	1850.5
7.5°	2148.4	2162.5	2140.9	2109.8	2076.9	2027.1	2026.2	1986.7	1948.2	1900.3
10°	2277.1	2295.9	2266.8	2224.5	2183.1	2126.8	2120.2	2075.1	2026.2	1964.2
12.5°	2390.8	2404.0	2375.8	2324.1	2276.2	2219.8	2211.3	2161.5	2107.0	2036.5
15°	2481.1	2498.0	2460.4	2404.9	2354.2	2298.7	2291.2	2246.1	2191.6	2117.4
17.5°	2540.3	2554.4	2515.8	2453.8	2404.9	2358.9	2353.2	2315.7	2267.7	2192.5
20°	2562.8	2577.9	2537.4	2474.5	2429.4	2393.7	2390.8	2363.6	2330.7	2262.1
22.5°	2585.4	2599.5	2546.8	2481.1	2441.6	2419.0	2418.1	2400.2	2387.1	2330.7
25°	2676.5	2680.3	2609.8	2514.9	2458.5	2438.8	2437.8	2436.9	2442.5	2398.4
27.5°	2755.5	2754.5	2694.4	2605.1	2517.7	2476.4	2475.4	2484.8	2502.7	2466.0
30°	2871.1	2860.7	2789.3	2696.3	2616.4	2552.5	2546.8	2538.4	2552.5	2523.4
32.5°	3116.4	3083.5	2967.9	2802.5	2698.2	2649.3	2641.8	2589.1	2594.8	2576.9
35°	3467.8	3424.6	3270.5	3003.6	2799.7	2730.1	2726.3	2659.6	2648.3	2632.4
37.5°	3886.1	3832.5	3653.0	3294.9	2974.5	2824.1	2818.4	2758.3	2712.3	2695.3
40°	4306.1	4238.5	4090.0	3650.2	3232.0	2981.0	2963.2	2872.0	2819.4	2791.2
42.5°	4714.0	4657.6	4530.8	4048.6	3549.6	3210.3	3170.9	3014.9	2975.4	2949.1
45°	5074.9	5024.1	4931.1	4474.4	3921.8	3522.4	3483.8	3229.1	3216.9	3216.9
47.5°	5368.1	5356.8	5258.2	4908.6	4360.7	3877.6	3810.9	3527.1	3559.9	3610.7
50°	5693.3	5662.3	5557.0	5336.2	4876.6	4284.5	4230.0	3892.6	4015.7	4154.8
52.5°	5992.1	6009.1	5891.6	5781.6	5459.3	4738.4	4642.6	4324.0	4590.0	4820.2
55°	6299.5	6300.4	6267.5	6252.5	6070.1	5240.3	5135.0	4842.8	5265.7	5551.4
57.5°	6588.0	6589.8	6638.7	6771.2	6778.7	5819.2	5699.9	5479.9	6016.6	6307.9
60°	6845.5	6858.6	6992.1	7302.2	7401.8	6482.7	6369.9	6232.7	6792.8	7086.1
62.5°	6931.9	6979.9	7276.8	7717.6	8017.4	7296.6	7185.7	7103.9	7608.6	7881.1
65°	6785.3	6895.3	7469.5	8060.6	8650.8	8263.6	8153.7	8064.4	8456.3	8712.8
67.5°	6425.4	6567.3	7458.2	8420.6	9419.6	9427.1	9324.7	9115.1	9365.1	9463.7
70°	5477.1	5689.5	6801.3	8555.0	10302.0	11018.2	10919.5	10380.0	10272.0	9794.6
72.5°	3528.9	3814.6	5008.2	7448.8	10498.5	12515.3	12509.6	11521.9	10558.6	9151.7
75°	1287.5	1462.3	2326.9	4675.5	8812.5	12439.1	12475.8	11326.4	9638.5	7069.1
77.5°	469.0	513.1	759.4	1796.9	5419.8	9980.6	10056.8	9054.9	6860.5	3547.7
80°	246.2	270.7	389.1	697.3	2322.2	5927.3	6046.6	5381.3	3224.4	1068.5
82.5°	136.3	147.5	218.0	378.7	1046.0	2534.6	2606.1	2125.8	1134.3	453.0
85°	73.3	78.0	102.4	206.8	511.2	878.7	898.4	635.3	452.0	266.0
87.5°	21.6	26.3	33.8	65.8	200.2	197.4	202.1	125.9	178.6	134.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1799.7	0°	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7
1813.8	2.5°	1808.2	1805.3	1795.0	1790.3	1784.7	1783.7	1788.4	1789.4	1790.3	1791.3
1834.5	5°	1825.1	1815.7	1806.3	1800.6	1802.5	1803.5	1812.9	1819.4	1824.1	1827.9
1873.0	7.5°	1858.0	1850.5	1834.5	1833.5	1836.4	1844.8	1857.0	1872.1	1880.5	1887.1
1922.8	10°	1906.8	1892.7	1874.0	1876.8	1882.4	1894.6	1920.0	1932.2	1946.3	1958.5
1983.9	12.5°	1956.7	1944.4	1922.8	1924.7	1934.1	1955.7	1980.1	1995.2	2004.6	2014.0
2049.7	15°	2021.5	1999.9	1976.4	1976.4	1993.3	2016.8	2028.1	2040.3	2045.9	2056.3
2120.2	17.5°	2088.2	2060.0	2029.0	2027.1	2047.8	2059.1	2065.7	2067.6	2069.4	2080.7
2188.8	20°	2155.0	2123.9	2079.8	2076.0	2080.7	2078.8	2077.9	2076.0	2078.8	2092.9
2259.3	22.5°	2220.7	2185.0	2123.9	2107.0	2093.9	2076.0	2075.1	2074.1	2076.0	2090.1
2335.4	25°	2297.8	2254.6	2172.8	2122.1	2077.9	2053.5	2056.3	2057.2	2059.1	2070.4
2414.3	27.5°	2381.4	2333.5	2217.9	2117.4	2037.5	2020.6	2015.9	2018.7	2025.3	2043.1
2493.3	30°	2465.1	2408.7	2259.3	2098.6	1986.7	1963.2	1948.2	1954.8	1975.5	1993.3
2561.9	32.5°	2541.2	2484.8	2292.2	2057.2	1921.9	1885.2	1865.5	1874.0	1894.6	1901.2
2638.0	35°	2630.5	2566.6	2306.3	1991.4	1851.4	1795.0	1768.7	1756.5	1766.8	1760.2
2727.3	37.5°	2730.1	2663.4	2304.4	1905.0	1768.7	1703.8	1667.2	1621.1	1599.5	1577.0
2858.9	40°	2877.7	2781.8	2281.8	1800.6	1666.3	1607.1	1541.3	1463.3	1414.4	1370.2
3071.3	42.5°	3078.8	2946.3	2240.5	1686.0	1550.7	1495.2	1405.9	1314.8	1237.7	1164.4
3393.6	45°	3378.6	3161.5	2188.8	1563.8	1425.7	1371.2	1274.4	1171.9	1084.5	990.5
3851.3	47.5°	3810.9	3450.9	2139.9	1424.7	1294.1	1244.3	1156.9	1062.0	958.6	867.4
4512.9	50°	4404.8	3866.3	2094.8	1289.4	1164.4	1126.8	1057.3	960.5	856.2	782.8
5288.2	52.5°	5160.4	4431.1	2076.0	1158.8	1043.2	1029.1	973.6	883.4	784.7	722.7
6192.3	55°	6027.8	5106.8	2076.0	1033.8	937.0	941.7	903.1	819.5	734.0	678.5
7124.6	57.5°	6913.1	5791.0	2038.4	918.2	846.8	866.5	842.1	768.8	691.7	634.4
8104.8	60°	7728.9	6364.3	1886.2	812.9	766.9	797.9	781.9	718.9	625.0	577.0
8924.3	62.5°	8355.7	6687.6	1593.0	729.3	701.1	736.8	728.3	653.2	612.7	593.0
9597.2	65°	8669.6	6635.0	1218.0	655.0	645.6	701.1	683.2	680.4	648.5	625.9
9816.2	67.5°	8477.0	6182.0	883.4	600.5	613.7	668.2	736.8	748.1	688.9	644.7
9199.7	70°	7632.1	5362.5	657.9	548.8	573.3	669.1	840.2	782.8	675.7	624.0
7378.3	72.5°	5806.1	3998.8	510.3	494.3	520.6	673.8	886.2	766.9	638.1	689.8
4596.5	75°	3320.3	2195.4	409.8	427.6	454.9	629.7	862.7	725.5	609.0	633.4
1821.3	77.5°	1265.9	843.9	338.3	361.8	365.6	549.8	825.1	722.7	579.9	565.8
546.0	80°	438.9	329.9	280.1	287.6	282.9	488.7	791.3	628.7	474.6	424.8
225.6	82.5°	179.5	164.5	221.8	212.4	201.1	379.7	639.1	514.1	388.1	343.0
109.0	85°	78.0	104.3	146.6	128.8	116.5	263.1	512.2	435.1	328.0	282.9
35.7	87.5°	16.0	39.5	62.0	58.3	60.1	175.7	363.7	309.2	232.1	173.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1799.7
1795.0
1829.8
1889.0
1955.7
2017.7
2060.0
2084.5
2098.6
2099.5
2085.4
2061.0
2013.0
1924.7
1780.9
1591.1
1373.0
1157.8
979.3
857.1
778.2
718.0
672.9
625.0
569.5
586.4
618.4
637.2
615.6
684.2
633.4
515.9
410.7
339.3
281.9
136.3
0.0

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